
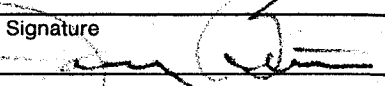


UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4		Manifest Document No. 602005		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3648, Seattle, WA 98124						A. State Manifest Document Number				
						B. State Generator's ID				
4. Generator's Phone (206) 382-8379						C. State Transporter's ID				
5. Transporter 1 Company Name TRANS-PORTATION & REMEDIATION INC						D. Transporter's Phone 800-321-1030				
6. US EPA ID Number CA2063547996						E. State Transporter's ID				
7. Transporter 2 Company Name						F. Transporter's Phone				
8. US EPA ID Number						G. State Facility's ID				
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025						H. Facility's Phone 800-972-1955				
10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0										
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
						No.	Type			
a. HA, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III							CF		P	F006
b. HA, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III						029	DM	20260	P	D007
c.										
d.										
J. Additional Information for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
<p>15. Special Handling Instructions and Additional Information: 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WRR") (Emergency call pager # 206-648-8423) Wear gloves & goggles P.O. # M89473</p>										
<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>										
Printed/Typed Name G. Thompson						Signature 		Month Day Year 11/10/02		
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name JERRY BUTLER						Signature 		Month Day Year 11/04/02		
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name						Signature		Month Day Year		
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name						Signature		Month Day Year		



MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:
Hazardous waste, solid, n.o.s., (F006), S. NA3077, III

NORTH AMERICAN
EMERGENCY
RESPONSE

TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

1. Some may burn, but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WQRR")
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fires

1. Dry chemical, CO₂, water spray or regular foam.

Large Fires:

1. Water spray, fog or regular foam.
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire control water for later disposal.

Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks.

SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**WORLD RESOURCES COMPANY**

ARIZONA RECYCLING FACILITY

*In partnership with the environment***LDRN****LAND DISPOSAL RESTRICTION
NOTICE**

ISO 14001 Certified Recycling Facility

D007

A copy of this Notice must be retained by the Generator for **at least three (3) years**, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, **the Generator should check** the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

TO: **WORLD RESOURCES COMPANY****8113 West Sherman Street, Tolleson AZ 85353-4025**

FROM:

Alaskan Copper Works**P.O. Box 3546, Seattle, WA 98124**

[COMPANY NAME]

[COMPANY ADDRESS]

MANIFEST
NUMBER:**02005**DATE OF
SHIPMENT:**11-6-02**

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
D007	non-wastewater	40 CFR §268.40

SIGNATURE:

TITLE:

Enviro. techNAME
PRINTED:**G. Thompson**

DATE:

11-6-02**Instructions****for the Completion of this
Land Disposal Restriction Notice
(D007 LDRN)**

This LDRN has been prepared based on a listed material--D007--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

If your material is described by additional "D" characteristic EPA waste codes, then they must each be included on the LDR Notice.

Material Safety Data Sheet

D007 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street
Tolleson, Arizona 85353-4025
Tel.: 602/233-9166 Fax: 623/936-9164

January 2002 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded).

For emergencies during shipping in the US or Canada, day or night, call: CHEMTREC 800/424-9300.

(Use CHEMTREC Company Code "WRRR".)
For calls from other countries, call COLLECT: 703/527-3887.

Section 1

EPA Waste Classification: D007

Generic Name: Chromium-Bearing Filter Cake

Chemical Family: Metallic (Hydroxide) Participates

Synonym: Nonferrous Metal Hydroxide Filter Cake

Material Identification

DOT Shipping Name: RQ, Hazardous waste solid, n.o.s., (D007)

DOT Hazard Class: 9; Packing Group: III.

DOT Identification Number: NA 3077

Guide 171 of *The North American Emergency Response Guidebook* applies.

Section 2

Ingredient:

CAS Number:

Content%:

ACGIH-TLV:

Toxicology (rat, oral):

Copper Hydroxide

20427-59-2

0-30

1.0 mg(Cu)/m³ (dust)

LD-50 1,000 mg/kg

Nickel Hydroxide

12054-48-7

0-15

1.0 mg(Ni)/m³ (dust)

LD-50 1,500 mg/kg

Calcium Hydroxide

1305-62-0

0-15

5.0 mg(Ca)/m³ (dust)

LD-50 7,340 mg/kg

Diatomite

61790-53-2

0-10

10.0 mg/m³ (dust)

LD-50 not determined

Chromic Hydroxide

1308-58-1

1-20

0.05 mg(Cr)/m³ (dust)

LD-50 not determined

Hazardous Ingredients

Section 3

Description: solid, clay-like, gray/green to brown, water content 30-80%

Specific Gravity: 2.5 to 3.5

Solubility: insoluble in water.

Incompatible Reactivity: none known.

Vapor Pressure: insignificant.

Stability: avoid contact with acids.

Polymerization: will not occur.

Density: 50-90 lbs./cu ft.

Physical and Reactivity Data

Boiling Point: above 2600°C

Melting Point: above 1800°C

pH: 7.0 to 10.0

Odor: nil.

Section 4

Flashpoint: nonflammable.

Special Firefighting Procedures: none.

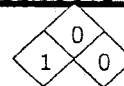
Product Decomposition (due to fire or explosion): none.

Oxidation: non-oxidizing.

Explosion Potential: non-explosive.

Fire and Explosion Data

NFPA
Fire Diamond



Section 5

Listed Carcinogenic Components: nickel, chromium

Toxicology: see Section 2.

Route of Entry: inhalation and ingestion.

Toxicity

Section 6

Health Effects and First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare. Induce vomiting and call a physician—but never induce vomiting or give a liquid to an unconscious person.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term: Long-term chronic over-exposure may affect the following target organs or body systems: blood; digestive; respiratory; lungs; liver; kidneys; and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage, mental-sensitive skin, or skin lesions.

Section 7

Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled, to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain or snow.

Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible.

Package material and ship to World Resources Company at the address shown above.

Section 8

Control Measures

Respiratory Protection: NIOSH-MSHA approved respirators as required.

Other Protective Equipment: coveralls are recommended but not required.

Eye Protection: safety glasses are recommended.

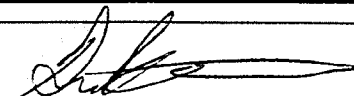
Hand Protection: gloves are recommended.

Section 9

Generator's Verification

This MSDS describes the recyclable material listed in the attached Manifest Number:

02005



↑ Signature ↑

11-6-02

↑ Date ↑

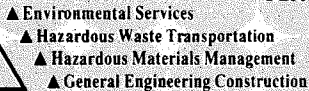
Alaskan Copper Works
P.O. Box 3546, Seattle, WA 98124

↑ Company Name and Address ↑

206-382-8379

↑ Telephone ↑

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6 0 0 0 5		Manifest Document No. 002005		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
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5. Transporter 1 Company Name TRANSPORTATION & EMERGENCY						D. Transporter's Phone 800-424-9300								
6. US EPA ID Number CA 063547996						E. State Transporter's ID								
7. Transporter 2 Company Name						F. Transporter's Phone								
8. US EPA ID Number						G. State Facility's ID								
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J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above								
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Printed/Typed Name G. Thompson					Signature <i>[Signature]</i>					Month Day Year 11/19/02				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name JERRY BUTLER					Signature <i>[Signature]</i>					Month Day Year 11/19/02				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name					Signature					Month Day Year				



178-26496

PO:

DATE: 11/6/02

DRIVER NAME: <u>JERRY BUTER</u>		TRK NO.: <u>5369</u>	TLR NO.: <u>126</u>
BEGINNING TIME: _____	/ ARRIVAL TIME: <u>0600</u>		
LOADING TIME: (START) <u>0745</u>	(STOP) <u>0900</u>	ARRIVAL TIME: _____	
LEAVE SITE: _____	UNLOADING TIME: (START) _____ (STOP) _____		
SIGNATURE: <u>[Signature]</u>	PAPERWORK DELAY _____		
	LEAVE SITE: _____ ENDING TIME: _____		
	RECEIVED BY: _____		

TERMS: Net 30 days. Consignee to pay any legal fees for collection of delinquent accounts, plus the legal rate of interest of 1½ % per month or 18 % per year will be charged for all past due accounts. We make all deliveries inside curb and on lot at customer's risk only and accept no responsibility for damages resulting from such deliveries. Claims for short or damage or overcharge must be filed with this receipt within 10 days.